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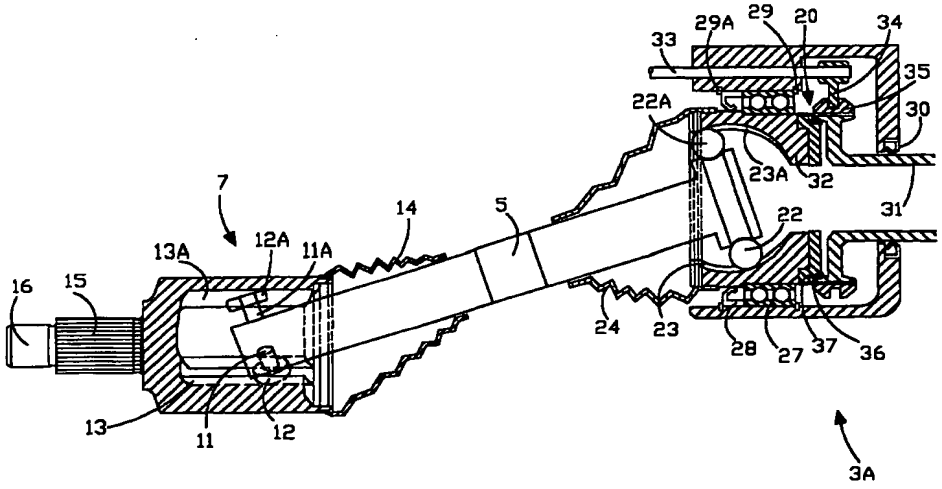
(54) Title: AMPHIBIOUS VEHICLE WHEEL TRANSMISSION ARRANGEMENT



(57) Abstract: An amphibious vehicle (10) has a retractable suspension system. The transmission to a driven wheel comprises a plunging CV joint (7) at the outer or wheel end of driveshaft (5), and a fixed CV joint (3A) at the inner or differential end of the driveshaft. The fixed joint at the inner end of the shaft allows wheel movement between a lowered position allowing increased ground clearance, through a normal road use position, to a retracted wheel position above the vehicle water line. At least one inner CV joint may incorporate a driveshaft decoupler (20); which may incorporate synchromesh. The vehicle may be a planing vehicle, with either a longitudinal or a mid-mounted transverse prime mover; which may be an internal combustion engine or a fuel cell powered electric motor.

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